



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Roberto CAPODIECI

Serial No.: 10/718,255

Filing Date: 20 November 2003

Title: APPARATUS AND METHOD FOR  
SHAPED CUTTING AND SLITTING OF  
FOOD PRODUCTS

Customer No.: 42419

Group No.: 3724

Examiner:  
Omar Flores-Sánchez

**DECLARATION OF ROBERTO CAPODIECI  
UNDER 37 C.F.R. §1.131**

I, Roberto CAPODIECI, declare as follows:

1. I am the named inventor in the above-identified patent application.
2. Prior to 18 September 2002, I conceived an apparatus and method for shaped cutting and slitting of food products.
3. The apparatus for cutting food product comprises an ultrasonic resonant horn and a reciprocating cutting tool mounted with respect to the ultrasonic resonant horn.
4. The apparatus includes a plurality of longitudinally oriented first cutting blades and a plurality of transversely oriented second cutting blades, the first

Serial No.: 10/718,255

cutting blades and the second cutting blades cutting through the food product and forming individual food product pieces.

5. The invention described in Paragraphs 3-4 was conceived prior to 18 September 2002 in the United States of America.

6. I disclosed the conception to my attorney for the purpose of obtaining a patent prior to 18 September 2002.

7. I met with my attorney to describe the apparatus and method for shaped cutting and slitting of food products prior to 18 September 2002. A copy of my attorney's notes from this meeting is attached.

8. I subsequently filed for U.S. Provisional Patent Application No. 60/427,729 on 20 November 2002.

9. I remained diligent in reducing the apparatus and method for shaped cutting and slitting of food products to practice between conception and filing for the referenced U.S. Provisional Patent Application.

10. The undersigned further declare that all statements made herein of their knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and

Serial No.: 10/718,255

that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

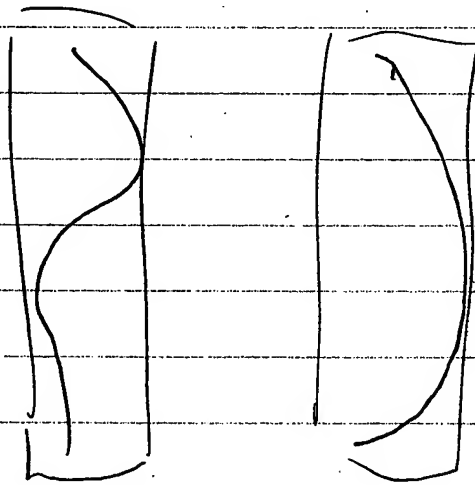
20 JAN 2009  
Date

  
Roberto CAPODIECI

R. LADANALLO

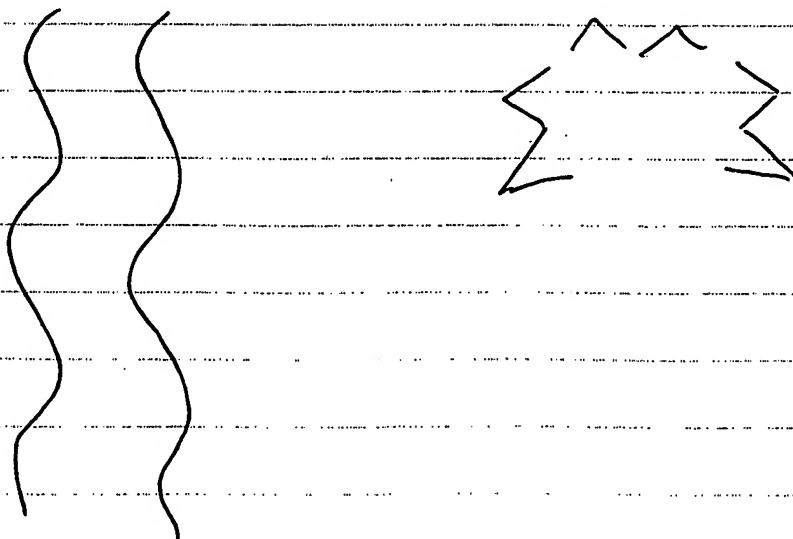
SHEET DOUGH  $\rightarrow$  SHAPES W/ EXCES ("EDGESTREAM")  
DIRECTLY FROM DOUGH MIX  $\rightarrow$  SHAPE W/ NO EXCES

TRADITIONAL ULTRASONIC BLADE IS STRAIGHT EDGE



PROFILED BLADE

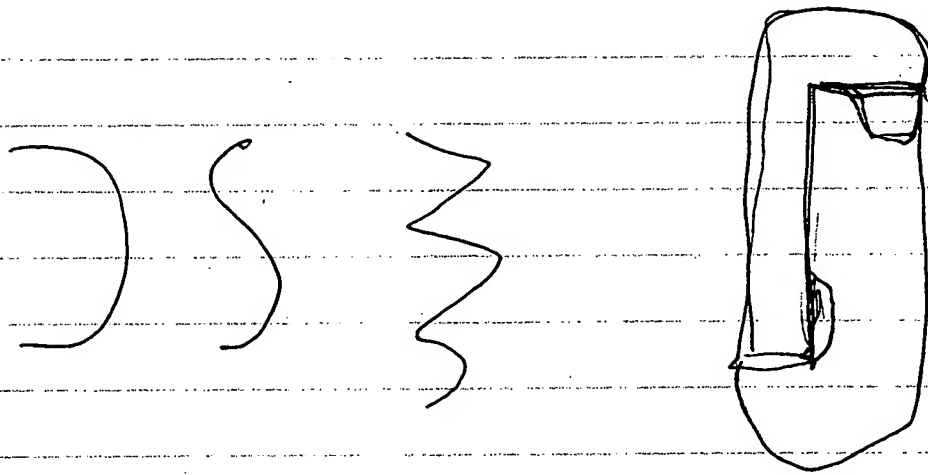
MAY BE USED TO CUT EDGES OF DOUGH  
(LONGITUDINALLY) OR CUT TRANSVERSELY



TRADITIONAL TOOL CARVES OUT A  
CAVITY FROM A FORMING TOOL

HE CAN BUILD UP THE SIDES  
OF A TOOL TO CREATE A 2-D SHAPE

CEREALS, COOKIES, PASTA



ROBERTO WILL PUT TOGETHER WRITE-UP  
AND WE WILL THEN CONSIDER PROVISIONAL.